

09676556-093000

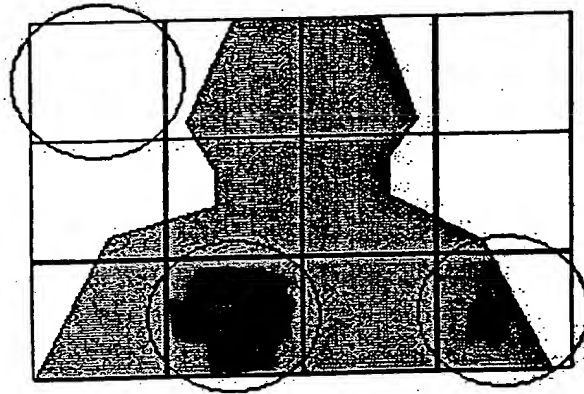


FIG 2

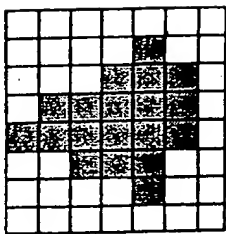


FIG 3a

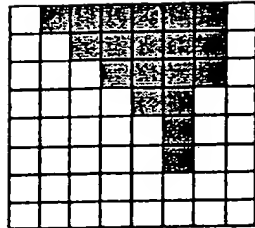


FIG 3b

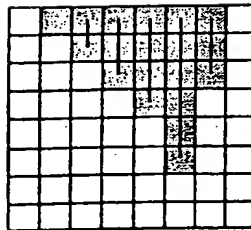


FIG 3c

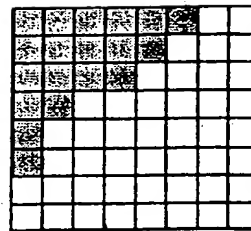


FIG 3d

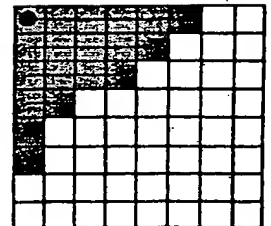


FIG 3e

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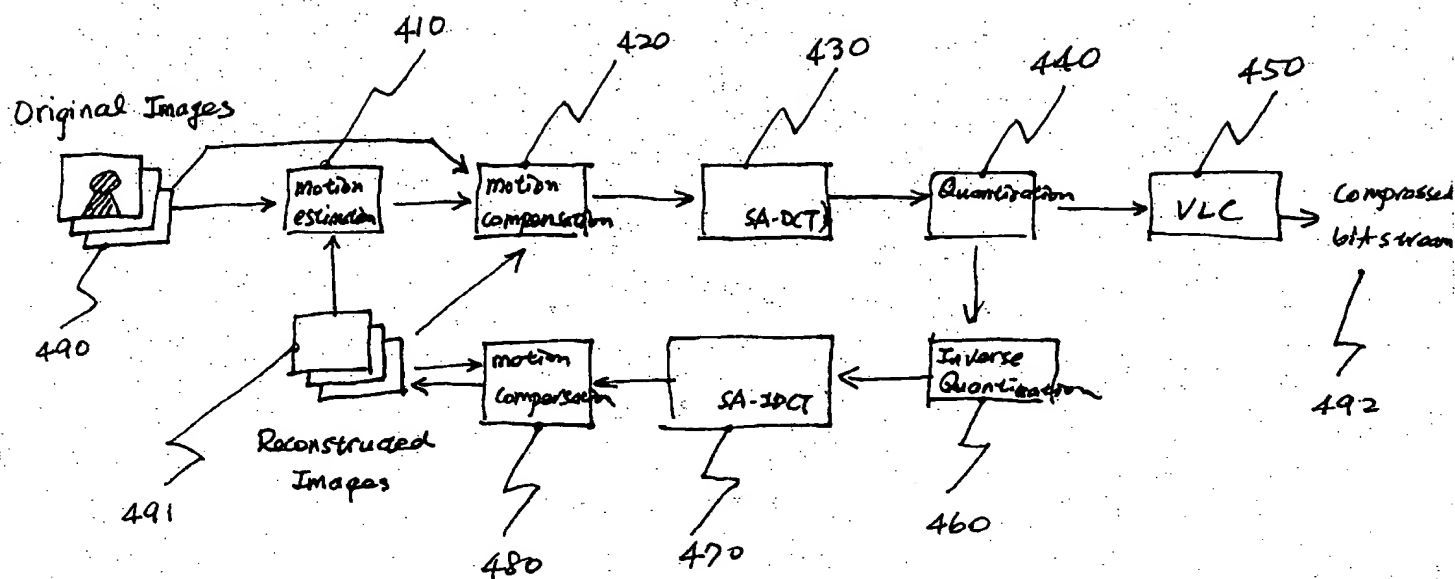


Figure 4

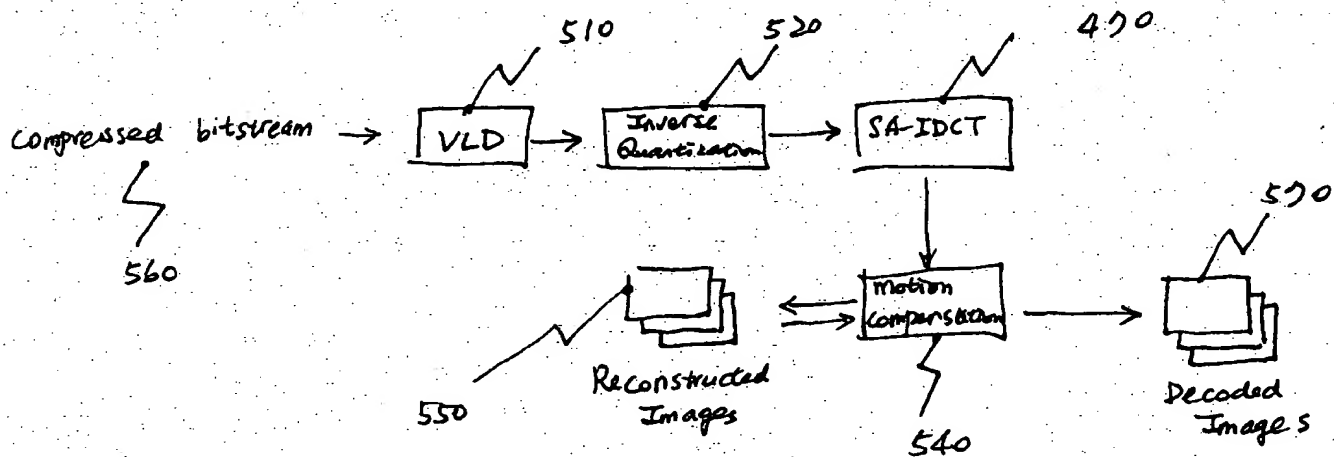


Figure 5

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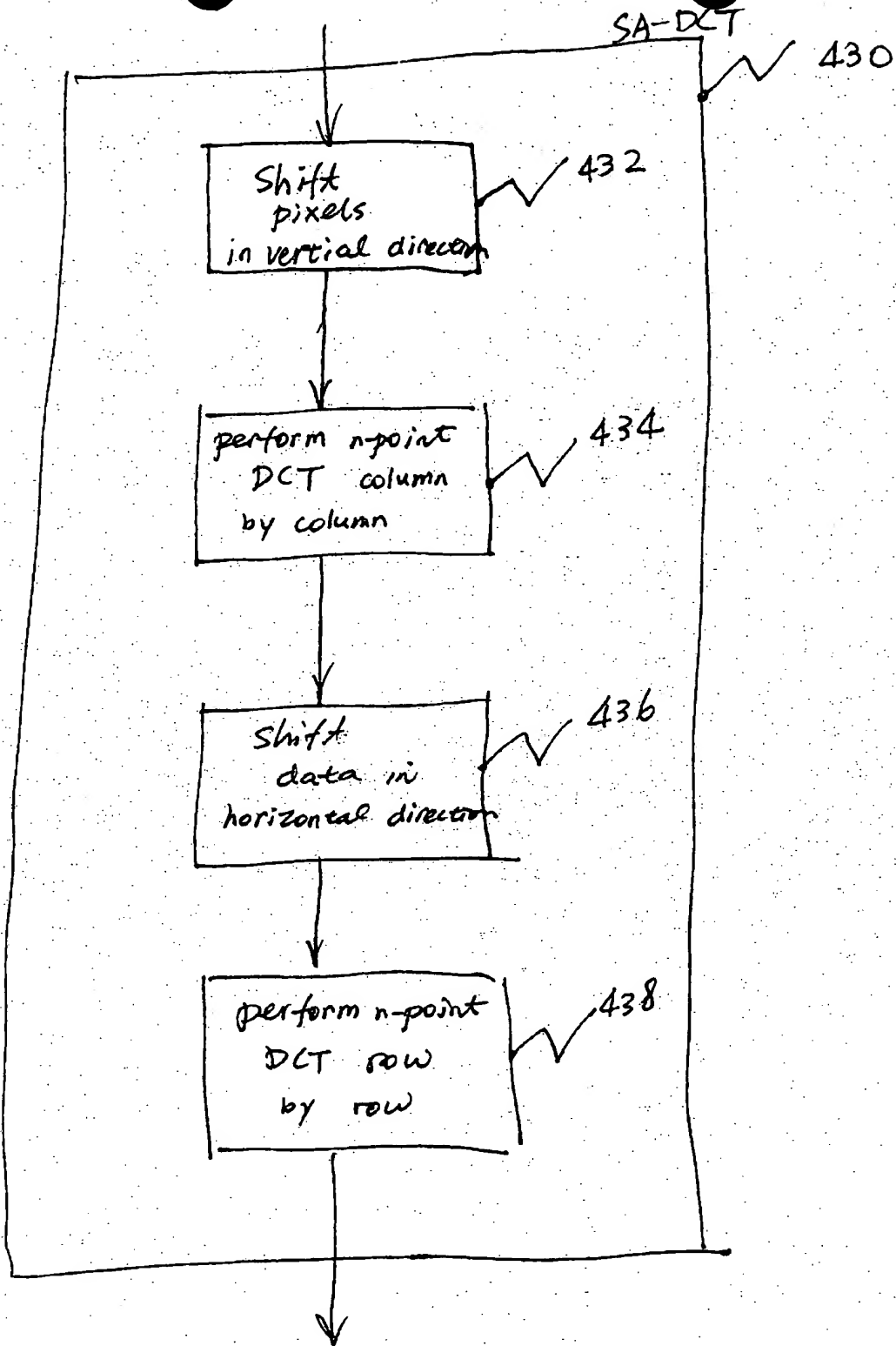


Figure 6

SA-IDCT

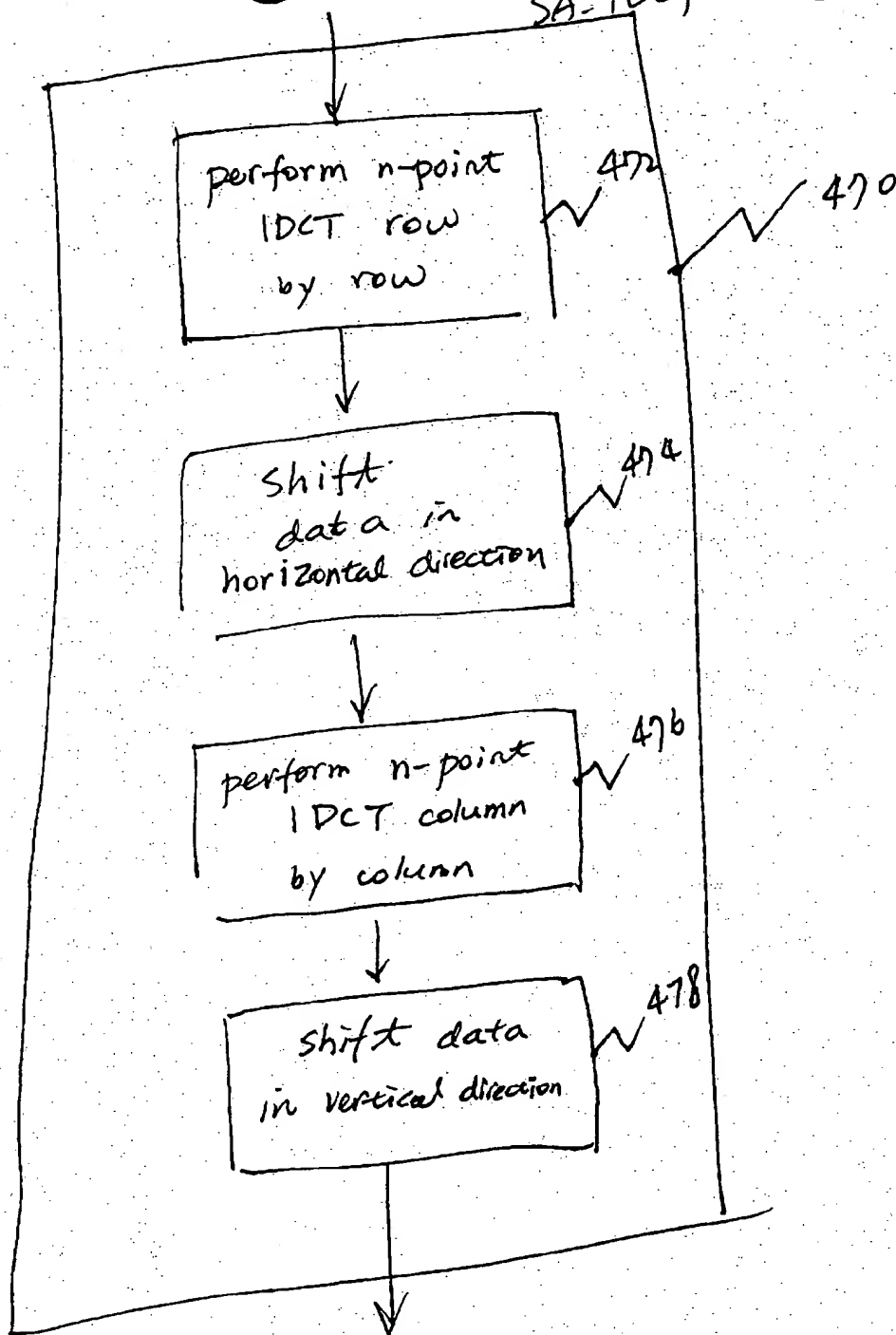


Figure 7

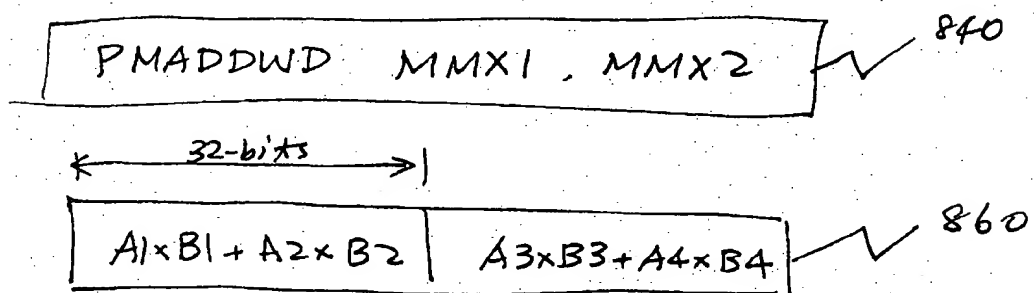
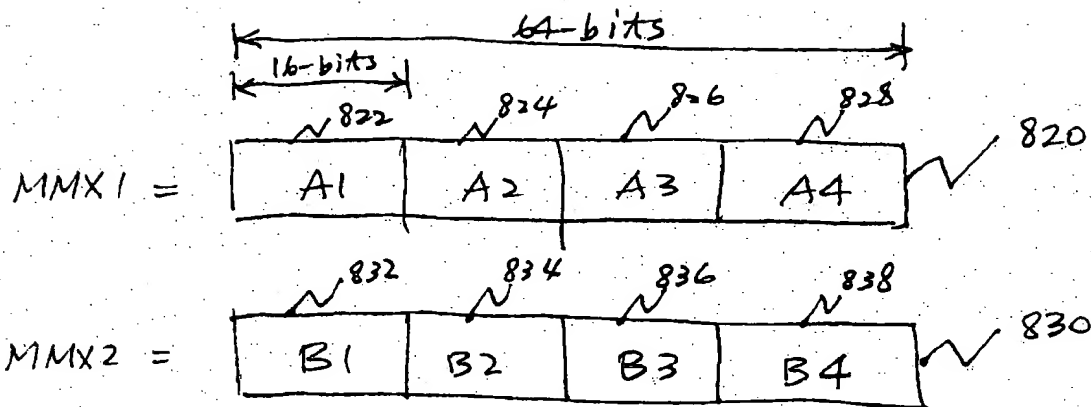


Figure 8

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$$\begin{matrix}
 \swarrow q10 & & \swarrow q20 & & \swarrow q30 \\
 \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_n \end{bmatrix} & = & \begin{bmatrix} A_{11} & A_{12} & \dots & A_{1n} \\ \vdots & \vdots & & \vdots \\ A_{n1} & \dots & \dots & A_{nn} \end{bmatrix} & \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_n \end{bmatrix}
 \end{matrix}$$

Figure 9a. One embodiment of ^{n-point} DCT/IDCT

$$\begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_n \end{bmatrix} = \begin{bmatrix} s_{11} & \dots & s_{1n} \\ \vdots & & \vdots \\ s_{n1} & \dots & s_{nn} \end{bmatrix} \begin{bmatrix} m_{11} & m_{12} & \dots & m_{1n} \\ \vdots & \vdots & & \vdots \\ m_{n1} & \dots & \dots & m_{nn} \end{bmatrix} \begin{bmatrix} b_{11} & \dots & b_{1n} \\ \vdots & & \vdots \\ b_{n1} & \dots & b_{nn} \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \\ \vdots \\ x_n \end{bmatrix}$$

q22

q24
FIG 9b.

q25